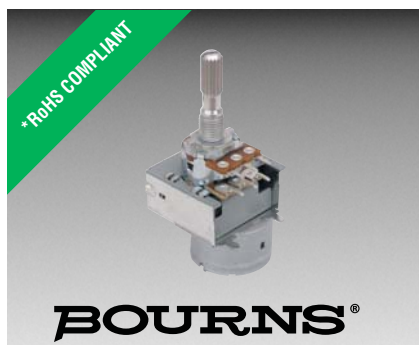




Features

- Remote controllable
- Suitable for both motorized and manual operation
- Dual section
- Smooth manual operating feel
- Various taper options
- RoHS compliant*



PRM16 Series - 16 mm Motorized Potentiometer

Electrical Characteristics

Taper.....	Linear, audio
Standard Resistance Range.....	1K ohms to 1 megohm
Standard Resistance Tolerance.....	±20 %
Power Rating	
B3 Taper.....	0.1 watt
Other Tapers	0.05 watt
Maximum Operating Voltage	150 Vac
Attenuation	
R≥100K ohms	100 dB min.
100K ohms>R≥50K ohms.....	90 dB min.
50K ohms>R≥10K ohms.....	80 dB min.
10K ohms>R≥5K ohms.....	70 dB min.
5K ohms>R≥1K ohms.....	60 dB min.
1K ohms>R≥500 ohms	50 dB min.
Voltage Proof.....	500 VDC for 1 minute
Motor Voltage	4.5 VDC
Motor Current (@ 4.5 VDC).....	100 mA max.

Environmental Characteristics

Operating Temperature Range.....	-10 °C to +70 °C
Sliding Noise.....	47 mV max.

Mechanical Characteristics

Mechanical Angle	300 ° ±5 °
Rotational Speed.....	12 ±3 seconds
Rotational Torque	150 to 450 g-cm
Stop Strength.....	9 kg-cm max.
Push-pull Strength.....	10 kg max. for 10 seconds
Rotational Life.....	15,000 cycles
Soldering Condition	260 °C within 5 seconds or 300 °C within 3 seconds
Hardware	One flat washer and mounting nut supplied per potentiometer with bushing

Standard Resistance Table

Resistance (Ohms)	Resistance Code
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

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*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

Applications

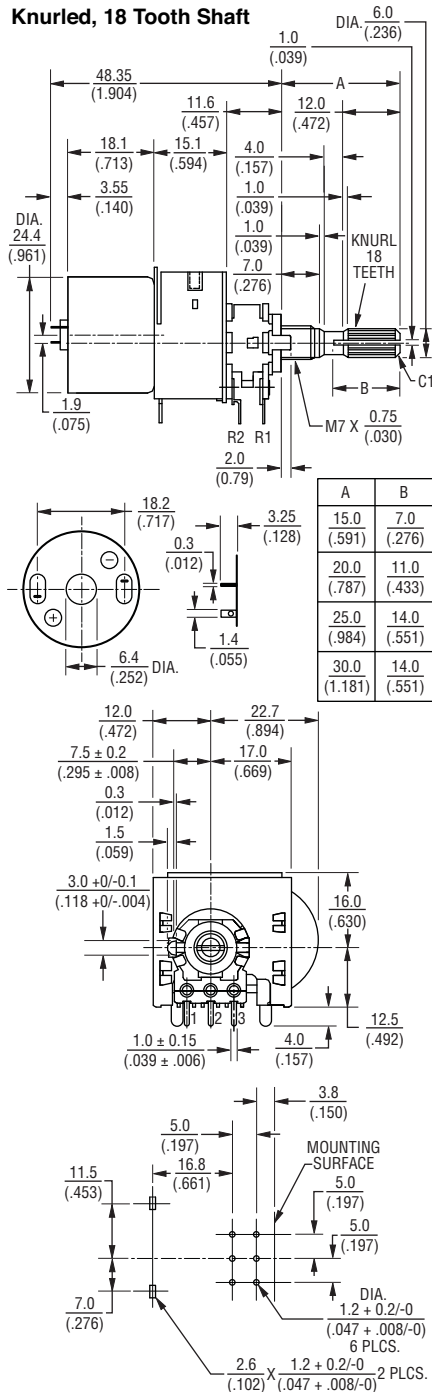
- Guitar amplifiers
- Mixing consoles
- Amplifiers, CD players, karaoke volume controls
- Servo tracks

PRM16 Series - 16 mm Motorized Potentiometer

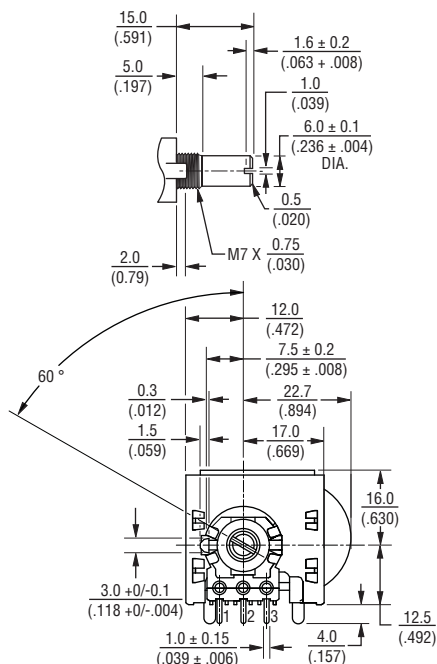
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Product Dimensions

Knurled, 18 Tooth Shaft



Slotted Shaft



DIMENSIONS: $\frac{\text{MM}}{(\text{IN})}$

TOLERANCES UNLESS OTHERWISE NOTED:

$\leq \frac{10.0}{(.394)} = \frac{\pm 0.3}{(\pm .012)}$ $> \frac{10.0}{(.394)} = \frac{\pm 0.5}{(\pm .020)}$

Shaft Length	Shaft Wobble
$\frac{15.0}{(.591)}$	$\frac{0.23}{(.009)}$
$\frac{20}{(.787)}$	$\frac{0.35}{(.014)}$
$\frac{25}{(.984)}$	$\frac{0.47}{(.019)}$
$\frac{30}{(1.181)}$	$\frac{0.58}{(.023)}$

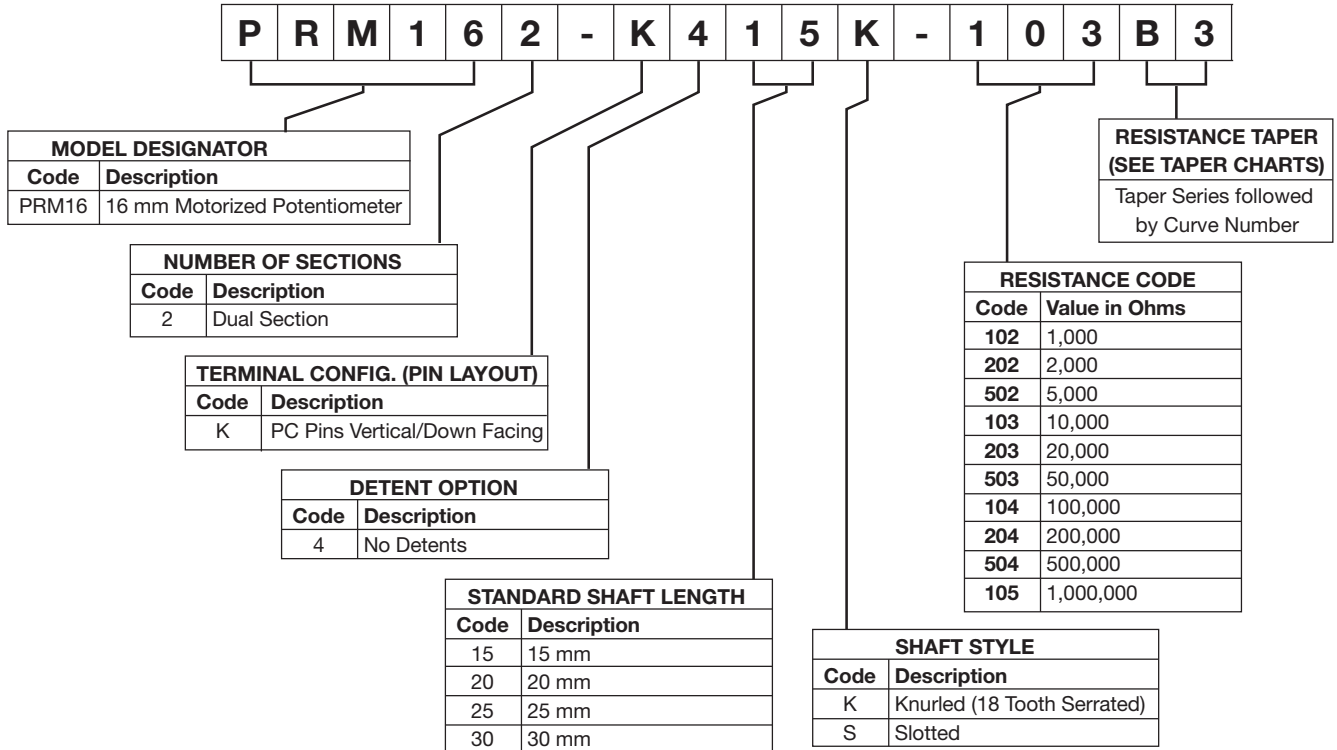
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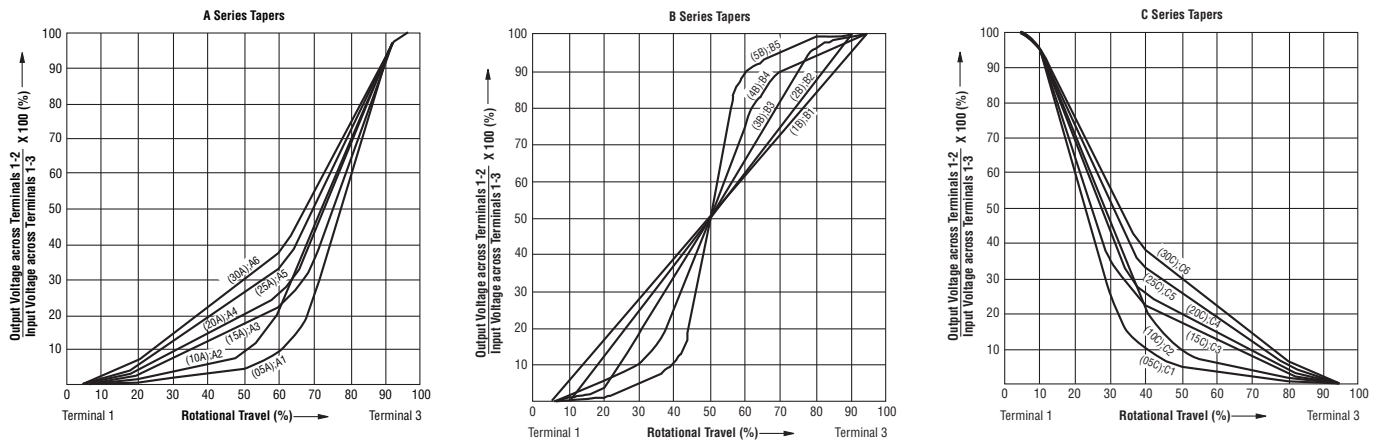
PRM16 Series - 16 mm Motorized Potentiometer

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How To Order



Tapers



REV. 10/15

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